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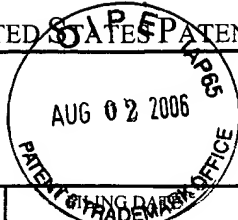
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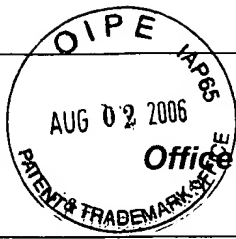
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APPLICATION NO.	FILED DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/654,801	09/05/2000	Oren Zamir	13312.6USII	7463
50670	7590	07/25/2006	EXAMINER	
DAVIS WRIGHT TREMAINE LLP 865 FIGUEROA STREET SUITE 2400 LOS ANGELES, CA 90017-2566			KANG, PAUL H	
			ART UNIT	PAPER NUMBER
			2141	

DATE MAILED: 07/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED  
Davis Wright Tremaine LLP  
JUL 28 2006  
CL# 05893 MT# 315  
ATTY(S) Regence  
DUE: Oct 25 2006



Application No. 10/367,436	Applicant(s) COATES ET AL.	
Examiner Kelvin Lin	Art Unit 2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 February 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7/10/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## Detailed Action

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-24 are rejected under 35 USC 102(b) as being anticipated by Wolff (USPN 6101508).
2. Regarding claim 1, Wolff teaches a distributed data storage system comprising:
  - a plurality of physical storage volumes for storing a plurality of files of data identified by a single file system (Wolff, col.3, l.62-64, col.15, l.15-19);
  - storage area network ("SAN") for coupling said physical storage volumes (Wolff, fig. 1a, col.4, l.34-38);
  - client network (Wolff, fig. 2a);
  - a plurality of storage nodes, coupled to said client network and to said storage area network, each one of said storage nodes for conducting storage operations on said files of said file system stored on said physical storage volumes (Wolff, col. 5, l.8-17);
  - and

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load balancing switch, coupled to said network and to said storage nodes (Wolff, col.9, l.15-33), for receiving a request from a client to conduct a storage operation on a file identified in said file system and for selecting one of said storage nodes to process said storage operation (Wolff, col.9, l.15-34, fig. 2a, col.27, l.45-53).

3. Regarding claim 2, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said load balancing switch comprises a layer four load balancing switch (Wolff, col.20, l.16-42, in which the load balancer resides in the cluster aware Lan/Wan client works as layer four router such as determining the suitable path ).

4. Regarding claim 3, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said storage network utilizes a TCP/IP network protocol (Wolff, col.4, l.31-38, in which the NFS is support by TCP).

5. Regarding claim 4, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said storage network utilizes a UDP/IP network protocol (Wolff, col.4, l.31-38, in which the NFS is support by UDP) .

6. Regarding claim 5, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said storage network comprises a local area network ("LAN") (Wolff, col.5, l.34-40).

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7. Regarding claim 6, Wolff teaches a distributed data storage system as set forth in claim 1, wherein a storage node comprises:

a file system manager for processing said client requests for storage operations (Wolff, col.60, l.28- col.61, l.20) ; and

a volume manager for accessing said physical volumes (Wolff, col.62, l.18-40).

8. Regarding claim 7, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said storage operation comprises a write operation (Wolff, col.62, l.6-12).

9. Regarding claim 8, Wolff teaches a distributed data storage system as set forth in claim 1, wherein said storage operation comprises a read operation (Wolff, col.62, l.6-12).

10. Regarding claims 9-16, claiming for the method for storing files in a distributed data storage system, have limitations corresponding to distributed data storage system claims 1-8. Therefore, claims 9-16 are rejected for the same reasons set forth in the rejection of claims 1-8.

11. Regarding claims 17-24, claiming for computer readable medium for storing a plurality of instructions, have limitations corresponding to distributed data storage

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system claims 1-8. Therefore, claims 17-24 are rejected for the same reasons set forth in the rejection of claims 1-8.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelvin Lin whose telephone number is 571-272-3898. The examiner can normally be reached on Flexible 4/9/5.

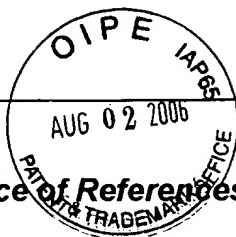
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on 571-272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KYL  
7/21/06



ANDREW CALDWELL  
SENIOR PATENT EXAMINER



# Notice of References Cited

Application/Control No.

10/367,436

Applicant(s)/Patent Under  
Reexamination  
COATES ET AL.

Examiner

Kelvin Lin

Art Unit

2142

Page 1 of 1

## U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,101,508	08-2000	Wolff, James J.	709/223
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

## FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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	O					
	P					
	Q					
	R					
	S					
	T					

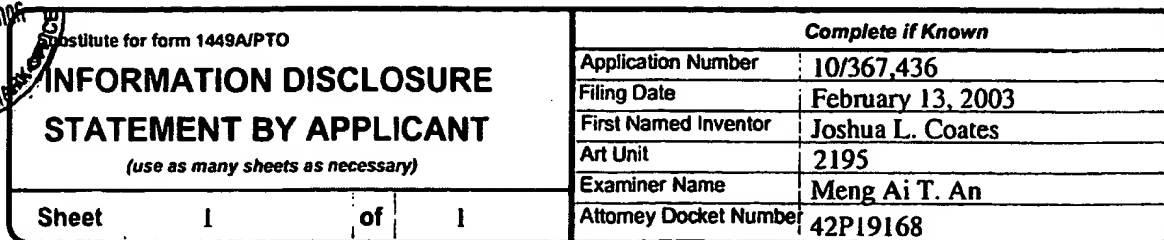
## NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



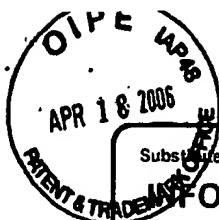
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Examiner Signature	<i>[Signature]</i>	Date Considered	7/21/06
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\*Applicant's unique citation designation number (optional): See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

**Complete if Known**

Application Number	10/367,436
Filing Date	February 13, 2003
First Named Inventor	Joshua L. Coates
Art Unit	2195
Examiner Name	An, Meng AI T.
Attorney Docket Number	42P19168

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
ll	1	US-5,937,406	08-10-1999	Balabine et al	
	2	US-5,708,832	01-13-1998	Inniss et al	
	3	US-5,497,422	03-05-1996	Tysen et al	
	4	US-5,506,984	04-09-1996	Miller	
	5	US-5,692,155	11-25-1997	Iskiyan et al	
	6	US-5,757,920	05-26-1998	Misra et al	
	7	US-5,805,699	09-08-1998	Akiyama et al	
	8	US-5,870,537	02-09-1999	Kern et al	
	9	US-5,978,577	11-02-1999	Rierden et al	
	10	US-5,764,972	06-09-1998	Crouse et al	
	11	US-5,933,834	08-03-1999	Aichelen	
	12	US-5,692,155	11-25-1997	Iskiyan et al	
	13	US-5,937,406	08-10-1999	Balabine et al	
	14	US-5,550,986	08-27-1996	DuLac	
	15	US-5,923,846	07-13-1999	Gage et al	
	16	US-5,796,952	08-18-1998	Davis et al	
	17	US-6,360,306 B1	03-19-2002	Bergsten	
	18	US-6,081,883	06-27-2000	Popelka et al	
	19	US-6,356,929 B1	03-12-2002	Gall et al	
	20	US-6,948,062 B1	09-20-2005	Clapper	

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Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> - Number <sup>2</sup> - Kind Code <sup>2</sup> (if known)				
ll	21	EP 0 646 858 A1	08-26-1997	DuLac		
	22	WO 99/45491	09-10-1999	Eberhard et al		
	23	WO 01/67707 A2	09-13-2001	Coates et al		

Examiner  
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7/21/06

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/367,436		
		Filing Date	February 13, 2003		
		First Named Inventor	Joshua L. Coates		
		Art Unit	2195		
		Examiner Name	An. Meng Al T.		
Sheet	2	of	4	Attorney Docket Number	42P19168

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Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T‡
hl	24	MOGUL: Internet Subnets; Network Working Group; RFC 917; October 1984; 18 pages	
	25	Microsoft Press, Computer Dictionary 3rd Ed., 1997, page 337	
	26	KLINE: Distributed File Systems for Storage Area Networks; Advanced Digital Info Corp; 11 pages	
	27	Apache-SSL: Certificates, Configuration and More Information Systems and Technology ; University of Waterloo; 9-15-1998; 16 pages	
	28	SCHROEDER: Implementing Multi-Protocol Authentication/Security Systems; Grid (GSI) Secure Socket Layer (X.509 Certificates), Kerberos, DCE, and Custom Systems for Secure Distributed Data Access; 7-19-1999; 4 pages	
	29	BEA WebLogic SSL; Server 4.5; 20 pages	
	30	Certificate to LDAP Mapping in Netscape Servers, Rev 1.2; 8-28-1997; Structured Arts Technical Notes	

Examiner Signature		Date Considered	7/21/06
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				Filing Date	February 13, 2003
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				Examiner Name	An, Meng A.T.
Sheet	3	of	4	Attorney Docket Number	42P19168

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h	31	US-6,304,980 B1	10-16-2001	Beardsley et al	
	32	US-6,442,548 B1	08-27-2002	Balabine et al	
	33	US-6,324,581 B1	11-27-2001	Xu et al	
	34	US-6,718,347 B1	04-06-2004	Wilson	
	35	US-6,405,201 B1	06-11-2002	Nazari	
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	48	US-6,438,125 B1	08-20-2002	Brothers	
	49	US-6,553,376 B1	04-22-2003	Lewis et al	
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		Country Code - Number - Kind Code (if known)					

Examiner Signature		Date Considered	7/21/06
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